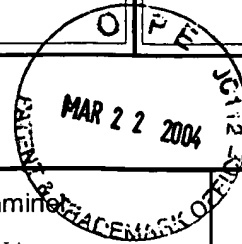


TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
124574-1

In Re Application Of: **ROBERT SNEE GILMORE ET AL.**



Serial No.
10/692,608

Filing Date
10/24/2003

Examiner
NYA

Group Art Unit
2856

Title: **INSPECTION METHOD AND APPARATUS FOR DETERMINING INCIPIENT MECHANICAL FAILURE**

Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

37 CFR 1.97(b)

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:
- ☐ the statement specified in 37 CFR 1.97(e);
- OR**
- ☐ the fee set forth in 37 CFR 1.17(p).

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INSPECTION METHOD AND APPARATUS FOR DETERMINING INCIPIENT MECHANICAL FAILURE

Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of _____ is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. **06-1130** as described below.
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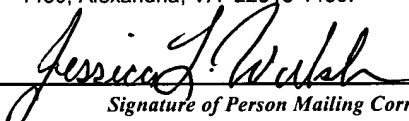
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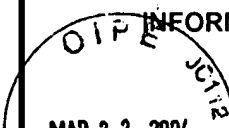
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Dated: **March 18, 2004**

Sean F. Sullivan
Reg. No. 38,328
Cantor Colburn LLP
55 Griffin Road South
Bloomfield, CT 06002
860-286-2929
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<div style="text-align: center;">  INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i> </div>	ATTY DOCKET NO. 124574-1	SERIAL NO. 10/692,608
	GILMORE ET AL.	
	FILING 10/24/2003	GROUP 2856

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

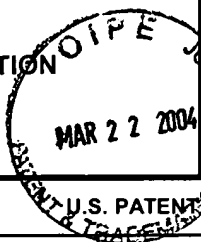
	1	J. H. Cantrell, W. T. Yost, S. Razvi, Peter Li; "Effective Nonlinearity Parameters of Aluminum Alloys as a Function of Volume Fraction of Second Phase Precipitates;" 1986 Ultrasonics Symposium Proceedings; IEEE; pages 1075 - 1078
	2	John H. Cantrell; "Residual Strains from Lattice-Generated Stochastic Nonlinear Acoustic Radiation Fields in Solids;" 1986 Ultrasonics Symposium Proceedings; IEEE; pages 1079 - 1082

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FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

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	3	John A. Cantrell; "Crystalline Structure Dependence of Acoustic Nonlinearity Parameters;" 1987 Ultrasonics Symposium Proceedings; IEEE; pages 425 - 428
	4	John A. Cantrell; "Nonlinear Phenomena in Solid State Physics and Technology;" 1990 Ultrasonics Symposium Proceedings; IEEE; pages 1255 - 1261

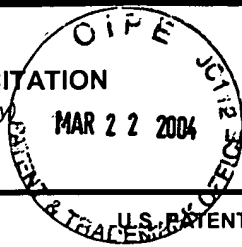
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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

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	7	J. Frouin, J. Maurer, Sathish, D. Eylon, J. K. Na, T.E. Matikas; "Real-Time Monitoring of Acoustic Linear and Nonlinear Behavior of Titanium Alloys During Cyclic Loading;" Materials Research Society Symposium - Proceedings, Vol. 591; 2000; pages 79 - 84
	8	D. C. Hurley, W. T. Yost, E. S. Boltz, and C. M. Fortunko; "Experimental Comparison of Ultrasonic Techniques to Determine the Nonlinearity Parameter;" 1996 Ultrasonics Symposium Proceedings; IEEE; pages 495 - 498

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124574-1

10/692,608

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U.S. PATENT DOCUMENTS

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		9	Young-Chul Jung and Tribikram Kundu; "Ultrasonic Response to Material Fatigue;" Proceedings of the SPIE, Vol. 4335; 2001; pages 180 - 187
		10	Peter Li, John H. Cantrell Jr. and William T. Yost; "Thermal Strains and Acoustic Nonlinearity in Crystalline Solids;" 1984 Ultrasonics Symposium Proceedings; IEEE; pages 955 - 957

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124574-1

Application Number

10/692,608

Applicant(s)

GILMORE ET AL.

Filing Date

10/24/2003

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2856

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Peter Li, William T. Yost, John H. Cantrell, and Kamel Salama; "Dependence of Acoustic Nonlinearity Parameter of Second Phase Precipitates of Aluminum Alloys;" 1985 Ultrasonics Symposium Proceedings; IEEE; pages 1113 - 1115

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Peter B. Nagy; "Fatigue Damage Assessment by Nonlinear Ultrasonic Materials Characterization;" Ultrasonics, Vol 36; February 1998; pages 375 - 381

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W.P. Winfree, P. Li, and J. H. Cantrell Jr.; "Harmonic Generation of Short Ultrasonic Pulses;" 1982 Ultrasonics Symposium Proceedings; IEEE; pages 1026 - 1028

14

H. Yang, W. T. Yost, and J. H. Cantrell; "Effect of Aging on the Third-Order Elastic Moduli of 18Ni Maraging Steel;" 1987 Ultrasonics Symposium Proceedings; IEEE; pages 425 - 428

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